

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-2. (cancelled).

3. (previously presented) The information recording medium according to claim 28, wherein at least one of the plurality of menu information includes button command information for defining the operation.

4. (previously presented) The information recording medium according to claim 28, wherein at least one of the plurality of menu information includes button control information being associated with at least one button image information which is displayed and outputted as a button menu, and for displaying and outputting the button image information.

5. (previously presented) The information recording medium according to claim 4, wherein the button control information includes at least one of association information which indicates association with the button image information, display position information which indicates a display position of a button defined by the button image information, and near-by button

information which indicates a change in a state of the button caused by the operation.

6. (previously presented) The information recording medium according to claim 28, wherein said menu information is displayed, with said menu information superimposed on or in place of one portion of said video information or said still picture information, or is not displayed at all, selectively in accordance with external designation.

7. (previously presented) The information recording medium according to claim 28, wherein said second stream is recorded together with said first stream, in a content space in which said first stream is recorded and which occupies one area of a recording area.

8-9. (cancelled)

10. (previously presented) The information recording apparatus according to claim 29, wherein said menu information is displayed, with said menu information superimposed on or replaced by one portion of said video information or said still picture information, or is not displayed at all, selectively in accordance with external designation.

11-14. (cancelled).

15. (previously presented) The information reproducing apparatus according to claim 30, wherein said menu information is displayed, with said menu information superimposed on or replaced by one portion of said video information or said still picture information, or is not displayed at all, selectively in accordance with external designation.

16-25. (cancelled).

26. (previously presented) The information reproducing method according to claim 33, wherein said menu information is displayed, with said menu information superimposed on or replaced by one portion of said video information or said still picture information, or is not displayed at all, selectively in accordance with external designation.

27. (cancelled).

28. (currently amended) An information recording medium on which there are recorded:

an object data file storing a first stream including video information or still picture information and a second stream including a plurality of menu information each of which is

displayed in response to a user operation and can select a reproduction point of the first stream or a change of reproduction condition of the first stream in response to the user operation; and

a play list information storing a plurality of item information each of which specifies the first stream by a unit of an item and a plurality of sub item information each of which specifies the second stream by a unit of a sub item, wherein (i) the item is one portion of the video information or the still picture information included in the first stream, (ii) the sub item is one portion of the menu information included in the second stream, and iii) the item information and the sub item information are control information which is used to reproduce the first and second streams,

the plurality of item information and the plurality of sub item information being recorded in the play list information independently and separately from each other,

the object data file and the play list information being recorded on the information recording medium independently and separately from each other,

one menu information of the plurality of menu information specified by the sub item information being superimposed on a display of the first stream during a reproduction of the first stream specified by the item information,

the first stream and the second stream being recorded such that the reproduction of the video information or the still picture information included in the first stream which is reproduced before the display of the one menu information is continued, by controlling the first stream and the second stream independently and separately, during the one menu information is superimposed.

29. (previously presented) An information recording apparatus for performing a recording operation with respect to the information recording medium according to claim 28,

wherein said information recording apparatus records the first stream and the second stream such that the reproduction of the video information or the still picture information included in the first stream which is reproduced before the display of the one menu information is continued, by controlling the first stream and the second stream independently and separately, during the one menu information is superimposed.

30. (previously presented) An information reproducing apparatus for performing a recording operation with respect to the information recording medium according to claim 28,

said information reproducing apparatus comprising:  
a first device for reproducing the first stream;

a second device for displaying the plurality of menu information; and

instructing device for instructing the display of the plurality of menu information during the reproduction of the first stream,

said information reproducing apparatus superimposing one menu information of the plurality of menu information specified by the sub item information on a display of the first stream during a reproduction of the first stream specified by the item information;

said information reproducing apparatus continuing the reproduction of the video information or the still picture information included in the first stream which is reproduced before the display of the one menu information during the one menu information is superimposed.

31. (previously presented) The information recording medium according to claim 28, on which there are further recorded:

an object information file including (i) first address information which includes an address of the first stream which is specified by the item information, and (ii) second address information which includes an address of the second stream which is specified by the sub item information,

the object data file, the play list information and the object information file being recorded on the information recording medium independently and separately from each other.

32. (previously presented) An information recording method for performing a recording operation with respect to the information recording medium according to claim 28,

wherein said information recording method records the first stream and the second stream such that the reproduction of the video information or the still picture information included in the first stream which is reproduced before the display of the one menu information is kept, by controlling the first stream and the second stream independently and separately, during the one menu information is superimposed.

33. (previously presented) An information reproducing method for performing a recording operation with respect to the information recording medium according to claim 28, said information reproducing method comprising:

a first process of reproducing the first stream;

a second process of displaying the plurality of menu information; and

instructing process of instructing the display of the plurality of menu information during the reproduction of the first stream,

said information reproducing method superimposing one menu information of the plurality of menu information specified by the sub item information on a display of the first stream during a reproduction of the first stream specified by the item information,

said information reproducing method keeping the

reproduction of the video information or the still picture information included in the first stream which is reproduced before the display of the one menu information during the one menu information is superimposed.

34. (new) An information recording medium on which are recorded:

- i) an object data file; and
- ii) a play list information, wherein,
  - the object data file and the play list information are recorded on the information recording medium independently and separately from each other,
  - the object data file stores a first stream and a second stream,
    - the first stream including one of i) video information and ii) still picture information,
    - the second stream including a plurality of menu information displayed in response to a user operation, each menu information selecting one of i) a reproduction point of the first stream, and ii) a change of reproduction condition of the first stream in response to the user operation; and
  - the play list information stores i) a plurality of item information, and ii) a plurality of sub item information,
    - the plurality of item information and the plurality of sub item information recorded in the play



list information independently and separately from each other,

the item information and the sub item information being control information used to reproduce the first and second streams,

each item information specifying the first stream by a unit of an item, the item being one portion of the video information or the still picture information included in the first stream,

each sub item information specifying the second stream by a unit of a sub item, the sub item being one portion of the menu information included in the second stream,

- one menu information of the plurality of menu information specified by the sub item information is superimposed on an existing display of the first stream during a reproduction of the first stream specified by the item information, and

- the first stream and the second stream are recorded such that the reproduction of the video information or the still picture information of the first stream which is reproduced before the display of the one menu information is continued, by controlling the first stream and the second stream independently and separately, during the one menu information being superimposed.